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Research Report Summary

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fiteBac Hand Gel Germicidal Hand Gel Study

Key Findings:

- fiteBac Germicidal Hand Gel maintains germ-killing efficacy for **8 hours**
- Effectiveness of product determined to persist even with repeated hand washing or prolonged glove use
- No evidence of skin damage associated with alcohol-based sanitizers

Study Details:

- fiteBac Germicidal Hand Gel applied to hands of study participants
- Then, a solution containing experimentally determined proportions of the common hospital-acquired bacteria *Serratia marcescens* applied to hands of study participants
- Samples were collected at 1 minute, 30 minutes, 2 hours, 4 hours, 6 hours, and 8 hours for each experiment and streaked onto trypticase soy agar plates to be cultured
- Control plates had consistently high bacterial growth while experimental plates had significantly less growth, especially and most astoundingly as time increased
- By 6 hours post-exposure to fiteBac Germicidal Hand Gel, no bacterial growth was noted for either dilution level of the bacterial solution
- When hand washing was added to the experimental design prior to the swabs taken at set intervals, fiteBac remained on skin for up to 8 hours and protected against germ colonization
- Very little bacterial growth was noted for experimental plates in comparison with controls
- After 4 hours, no bacterial growth was noted for experimental plates at either dilution level
- When volunteers donned gloves for an hour following the initial experimental procedure, only one experimental plate out of 32 showed any bacterial growth while all control plates were positive for bacterial growth
- There was no evidence at all of skin-damaging effects following any experimental procedure, and hands remained soft

Complete study can be viewed on www.dentaladvisor.com.

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